

Abstract:

A system and method for using an automated process to identify bugs in software code. The system can be used to assist with the development of large and complex software products. File-level and/or line-level code coverage
5 information is used to automatically trace-test failures to development changes within the product source code over a specified period of time. Information as to the health of a software product and the test criteria it passes or fails is compared at a first time, when the product may have satisfied all test criteria, with the health of the product at a second time when the same criteria may be failing.
10 This information can then be used to narrow down and/or identify specific product failures to a particular change or set of changes in the software code, before any manual analysis need be done.